DFI®

CA64-TC

VIA® 694T/686B Multimedia Socket 370 ATX System Board

PROCESSOR
- Pentium® III
  - FCPGA2 133MHz FSB (1.13GHz-1.26GHz)
  - FCPGA 133MHz FSB (533EB-1GHz)
  - FCPGA 100MHz FSB (500E-850E)
- Celeron™
  - FCPGA 100MHz FSB (800MHz-950MHz)
  - FCPGA 66MHz FSB (566MHz-700MHz)
- Future VIA C3™ with L2 cache

CHIPSET
- VIA® 82C694T/82C686B AGPset

SYSTEM MEMORY
- Up to 1GB using VCM (Virtual Channel Memory) or PC SDRAM DIMM (unbuffered or registered)
- Three 168-pin DIMM sockets
- Uses x64 or x72 PC SDRAM, 3.3V
  - PC-66 SDRAM DIMM for 66MHz FSB processors
  - PC-100 SDRAM DIMM for 100/66MHz FSB processors
  - PC-133 SDRAM DIMM for 133MHz FSB processors
- ECC supported (uses x72 PC SDRAM DIMM)

BIOS
- Award BIOS, Windows® 95/98/2000/ME Plug and Play compatible
- Supports SCSI sequential boot-up
- Flash EPROM for easy BIOS upgrades
- Supports DMI 2.0 function
- 2Mbit flash memory

ENERGY EFFICIENT DESIGN
- Supports ACPI specification and OS Directed Power Management
- Supports ACPI STR (Suspend to RAM) function
- Wake-On-Events include:
  - RTC timer to power-on the system
  - Wake-On-Ring (through internal or external modem)
  - Wake-On-LAN
- System power management supported
- CPU stopped clock control
- Hardware supports SMI green mode
- Microsoft®/Intel® APM 1.2 compliant
- Soft Power supported - ACPI v1.0a specification
- AC power failure recovery

DAMAGE FREE INTELLIGENCE
- Monitors CPU/system temperature and overheat alarm
- Monitors VCORE/3.3V/5V/12V/2.5V voltages and failure alarm
- Monitors CPU/chassis fan speed and failure alarm
- Fan on/off control includes CPU fan and chassis fan - this prevents system overheat and prolongs fan life
- Read back capability that displays temperature, voltage and fan speed

AUDIO FEATURES
- AC'97 supported with full duplex, independent sample rate converter for audio recording and playback

PCI IDE INTERFACE
- Supports Ultra ATA/100 hard drives
- PIO Mode 3 and Mode 4 Enhanced IDE (data transfer rate up to 16.6MB/sec.)
- Bus mastering reduces CPU utilization during disk transfer
- ATAPI CD-ROM, LS-120 and ZIP supported

PROCESSOR SOCKET
- Socket 370
- Equipped with a switching voltage regulator that automatically detects 1.050V to 1.825V

ACCELERATED GRAPHICS PORT (A.G.P.)
- Supports AGP 4x up to 1066MB/sec. and AGP 2x up to 533MB/sec. bandwidth for 3D graphics applications

REAR PANEL I/O PORTS
- 2 USB ports
- 2 DB-9 serial ports
- 1 DB-25 parallel port
- 1 mini-DIN-6 PS/2 mouse port
- 1 mini-DIN-6 PS/2 keyboard port
- 1 game/MIDI port
- 3 audio jacks: line-out, line-in and mic-in

I/O CONNECTORS
- 1 connector for 2 additional external USB ports
- 1 connector for IrDA interface
- 2 IDE connectors
- 1 floppy connector
- 1 ATX power supply connector
- 1 Wake-On-LAN connector
- 1 Wake-On-Ring connector
- 3 fan connectors for CPU, chassis and AGP fans
- 2 internal audio connectors (AUX-in and CD-in)
- 1 connector for additional external line-out and mic-in jacks

EXPANSION SLOTS
- 1 universal AGP slot that supports 4x/2x AGP
- 4 dedicated PCI slots
- 1 shared PCI/ISA slot

PCB
- 4 layers, ATX form factor
- 30.5cm (12") x 19cm (7.48")

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